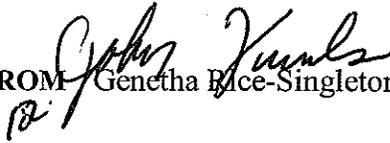


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0008439, Richmond County **OFFICE** Preconstruction
CSSTP-0008-00(439)
SR 28/Sand Bar Ferry Rd. @ CR 475/Laney Walker Blvd-
Intersection Improvements **DATE** November 21, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Ron Wishon
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Paul Liles
Anthony Collins
Alan Smith
George Brewer
BOARD MEMBER

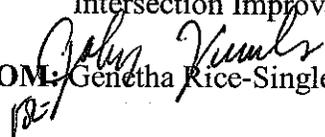
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0008439, Richmond County
CSSTP-0008-00(439)
SR 28/Sand Bar Ferry Rd @ CR 475/Laney Walker Blvd.-
Intersection Improvements

OFFICE: Preconstruction

DATE: October 24, 2008

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the SR 28/Sand Bar Ferry Road @ CR 475/Laney Walker Blvd. intersection improvements in Augusta, Georgia. SR 28/Sand Bar Ferry Road is classified as a urban principal arterial and is comprised of two, 12' lanes in each direction separated by a 44' depressed grassed median with rural shoulders. CR 475/Laney Walker Blvd. is classified as a minor arterial street and is comprised of two, 12' lanes in each direction with a 44' depressed grassed median and rural shoulders. The need exists to improve the operations of the existing intersection and improve the overall safety of the intersection. The traffic study indicates that the level of service on SR 28 is an "F" during peak hour traffic times and that the storage lengths on the northbound left turn lanes of SR 28 are insufficient for the left turn movement. The Average Daily Traffic (ADT) on SR 28 within the project area is projected to be 19,075 by the build year 2013. This volume is projected to increase to 24,225 by the design year 2033.

The proposed project will construct an additional left turn lane on SR 28 on the northbound approach to facilitate a dual left turn movement onto Laney Walker Blvd. The project will also improve the alignment of the left turn/through lane on eastbound Laney Walker Blvd. to line up directly across from Riverfront Drive. A traffic signal will be installed at this intersection. Traffic will be maintained during construction.

Environmental concerns include requiring a Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	\$461,000	\$399,815	L240	LUMP
Right-of-way	-0-			
Utilities	--0--			

* Augusta-Richmond County signed PFA for utilities 9-19-08

P.I. No. 0008439, Richmond County
Page 2
October 24, 2008

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR *Bennett King-Sydney for Director*
Director of Preconstruction

APPROVED *Gerald M. Ross*
Gerald M. Ross, P.E., Chief Engineer

PRECONSTRUCTION STATUS REPORT FOR PI:0008439

PROJ ID: 0008439
COUNTY: Richmond
LENGTH (MI): 0.40
PROJ NO.: CSSTP-0008-00(439)
PROJ MGR: Smith, Alan
OFFICE: District 2
CONSULTANT: No Consultant, GDOT In-House Design
SPONSOR: GDOT
DESIGN FIRM:

SR 28 @ CR 475/LANEY WALKER BLVD/RIVERFRONT DR
MPO: Augusta TMA
TIP #:
MODEL YR:
TYPE WORK: Operational Improvement
CONCEPT: OPERATIONAL IMP
PROG TYPE: Reconstruction/Rehabilitation
BOND PROJ.:

MGMT LET DATE: Dec-09
MGMT ROW DATE:
SCHED LET DATE: 9/2/2011
WHO LETS?: GDOT Let
LET WITH:

SCHED START	SCHED FINISH	ACTIVITY	ACTUAL START	ACTUAL FINISH	%	PROGRAMMED FUNDS				Date Auth		
						Phase	Approved	Proposed	Cost		Fund	Status
11/13/2008		Concept Development	4/30/2008		55	PE	2008	2008	35,000.00	L240	AUTHORIZED	3/31/2008
		Concept Meeting	9/5/2008	9/5/2008	100	CST	LUMP	LUMP	399,815.00	L240	PRECST	
		PM Submit Concept Report	9/16/2008	9/16/2008	100							
		Receive Preconstruction Concept Approval	10/1/2008	10/24/2008	100							
11/13/2008		Management Concept Approval Complete	10/27/2008		50							
8/20/2009		Environmental Approval			0							
11/10/2008		Field Surveys/SDE			0							
11/7/2008		Preliminary Plans			0							
11/14/2008		Underground Storage Tanks			0							
12/26/2008		404 Permit Obtainment			0							
3/10/2010		PFPR Inspection			0							
4/16/2010		L & D Approval			50							
4/16/2010		R/W Acquisition			0							
2/13/2009		Stake R/W			0							
4/22/2010		Soil Survey			0							
6/10/2011		Final Design			0							
6/27/2011		FFPR Inspection			0							
6/27/2011		Submit FFPR Responses (OES)			0							

Bridge: NO BRIDGE REQUIRED
LGPA: PFA SGN (L) AUGUSTA-RICHMOND DO UTILITIES 9-19-08]NOTIFICATION LETTER SENT TO AUGUSTA-RICHMOND 5-10-07.
Programming: PE LS 0007498
EMG: RECSTR/REHAB (OPERATIONAL IMPROVEMENT)

Phase PE CST
Approved 2008 LUMP
Proposed 2008 LUMP
Cost 35,000.00
STIP AMOUNTS
Phase PE CST
Cost 0.00
Fund L240 L240
PE Cost Est Amt: 35,000.00 **Date:** 11/28/2006
CST Cost Est Amt: 399,815.00 **Date:** 6/20/2008
9/5/08 Concept Team Mfg
District Comments

Prel. Parcel CT: Total Parcel in ROW System: N/R
Under Review: Options - Pending: Relocations: Acquired by:
Released: Condemnations- Pend: Acquired: Acquisition MGR: R/W Cert Date: DEEDS CT:

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0008-00 (439)*

County: *Richmond*

P. I. Number: *0008439*

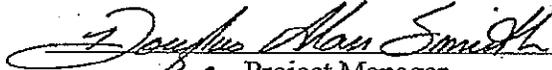
Federal Route Number: *None*

State Route Number: *SR 28 / Sand Bar Ferry Road*

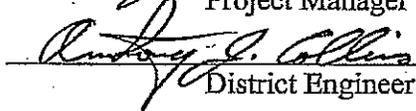
County Road Number: *475 / Laney Walker Blvd*

Recommendation for approval:

DATE *9-9-08*


Project Manager

DATE *9/15/08*

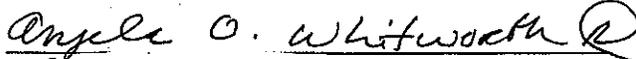

District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE *9-16-08*


Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0008-00 (439)*

County: *Richmond*

P. I. Number: *0008439*

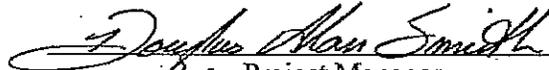
Federal Route Number: *None*

State Route Number: *SR 28 / Sand Bar Ferry Road*

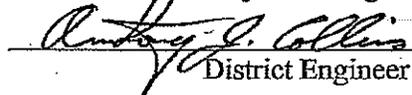
County Road Number: *475 / Laney Walker Blvd*

Recommendation for approval:

DATE *9-9-08*

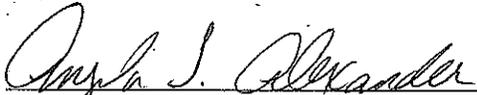

Project Manager

DATE *9/15/08*


District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE *9/23/2008*


State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0008439

OFFICE: Environment/Location

PROJECT No. CSSTP-0008-00(439) / RICHMOND
County

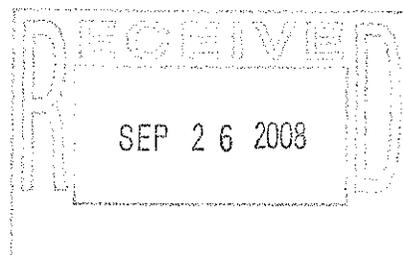
DATE: 9/22/08

SR 28/Sand Bar Ferry Road and CR 475/Laney Walker Blvd.

FROM:  Glenn Bowman, P.E., State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: PROJECT CONCEPT REPORT REVIEW



The Concept Report for the above project has been reviewed and appears satisfactory subject to the following comments:

1. Please denote beginning and ending points on the project location map. It is hard to tell from the location map where the project is located.
2. The proposed project has no MGT ROW or LET dates. Also, it appears that no environmental work has been done to date, but this should not adversely affect the scope/schedule/budget of this operational improvement project.
3. The levee is owned by the Army Corps of Engineers. Although no impacts are proposed, the project may need to be coordinated with the COE early to determine if they would have any additional studies that need to be included due to the proximity of the levee. If any federal property is touched, an ARPA permit would be required prior to doing archaeological surveys. This would add time to the schedule, but it should be doable within the twelve (12) months allotted in the concept.

If you have any questions, please contact Glenn Bowman at (404) 699-4401.

GB:lc

cc: Brian Summers
Jamie Simpson
Keith Golden
Angela Alexander
Tony Collins

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: CSSTP-0008-00 (439)

County: Richmond

P. I. Number: 0008439

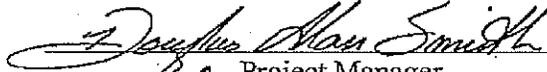
Federal Route Number: None

State Route Number: SR 28 / Sand Bar Ferry Road

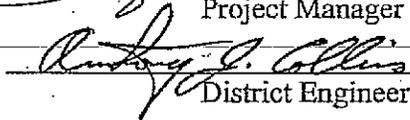
County Road Number: 475 / Laney Walker Blvd

Recommendation for approval:

DATE 9-9-08


Project Manager

DATE 9/15/08


District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 9/22/08


State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

District Two Design Office

Project Number: *CSSTP-0008-00 (439)*

County: *Richmond*

P. I. Number: *0008439*

Federal Route Number: *None*

State Route Number: *SR 28 / Sand Bar Ferry Road*

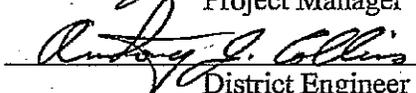
County Road Number: *475 / Laney Walker Blvd*

Recommendation for approval:

DATE *9-9-08*


Project Manager

DATE *9/15/08*


District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

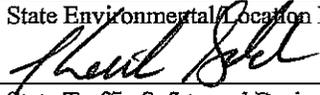
DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental Location Engineer

DATE *9-24-08*


State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

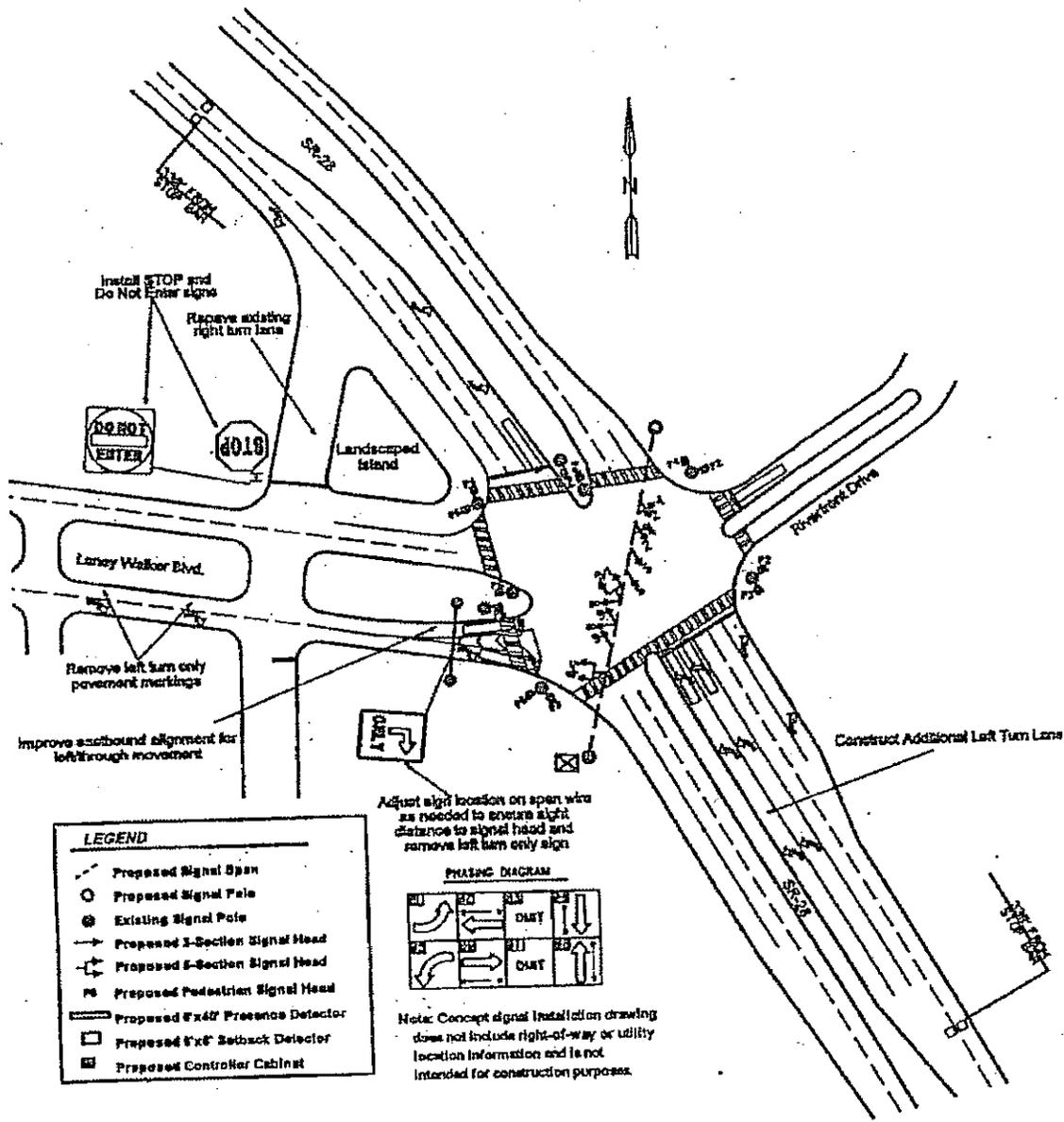
DATE _____

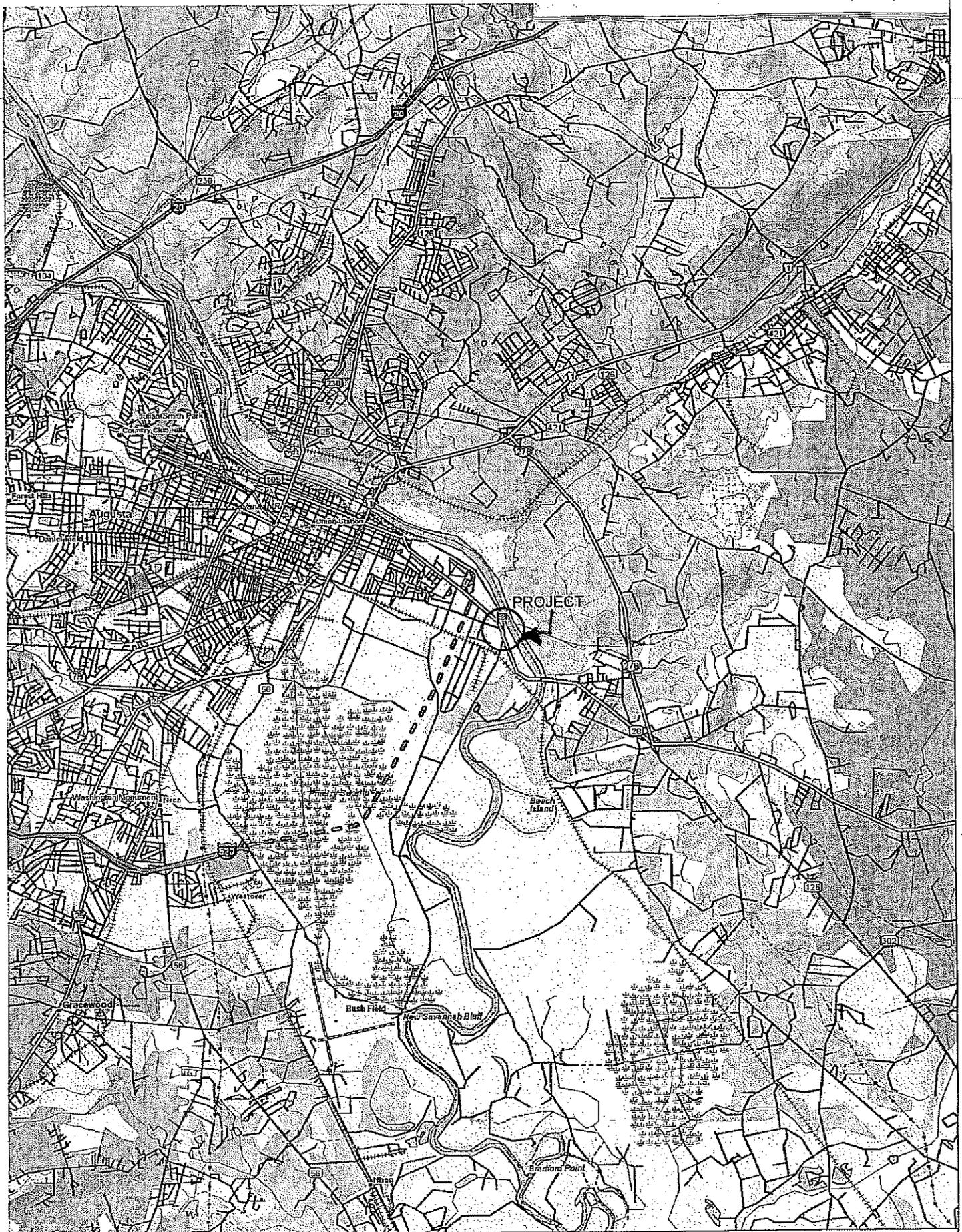
State Bridge & Structural Design Engineer



EXISTING CONDITIONS

Appendix D
Proposed Conditions Diagram - Figure 3





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www.delorme.com



Need and Purpose: *See Attached Need and Purpose Statement*

Description of the proposed project: *This project consist of operational improvements on SR 28 / Sand Bar Ferry Road at CR 475 / Laney Walker Blvd. in the City of Augusta. A traffic signal will be installed at this location with additional left turn lane storage being provided as well.*

Is the project located in a Non-attainment area? Yes No

PDP Classification: Minor Major

Federal Oversight: Full Oversight , Exempt , State Funded , or Other

Functional Classification: *SR 28 - Urban Principal Arterial
CR 475 - Laney Walker Blvd. - Minor Arterial Street*

U. S. Route Number(s): *None*
County Road Number(s): *475*

State Route Number(s): *28*

Traffic (AADT):

SR 28 Current Year: *19075 (2013)* Design Year: *24225 (2033)*

Existing design features:

- Typical Section: *SR 28 is comprised of two 12-ft. travel lanes in each direction divided by a 44-ft. depressed median with 10-ft. rural shoulders. CR 475 is comprised of two 12-ft. travel lanes in each direction divided by a 44-ft. depressed median with 10-ft. rural shoulders.*
- Posted speed: *SR 28 - 45 MPH* Minimum Radii of curvature: *1401-Radius*
- Maximum grade: *SR 28 - 3%, CR 475 - 3%*
- Width of right of way: *SR 28 - Varies 195-ft. to 292-ft., CR 475 - 150-ft.*
- Major structures: *None*
Sufficiency Rating: NA
- Major interchanges or intersections along the project: *None*
- Existing length of roadway: *0.200 miles*

Proposed Design Features:

- Proposed typical section(s): *SR 28 - Two 12-ft. travel lanes in each direction separated by a 44-ft. depressed median with 10-ft. outside rural shoulders*
- Proposed Design Speed Mainline: *45mph*
- Proposed Maximum grade Mainline: *3%*
- Maximum grade allowable Mainline: *6% for rolling terrain*
- Proposed Maximum grade Side Street: *CR 475 - 3%, Riverfront Drive - 9%*
- Maximum grade allowable on Side Streets: *CR 475 - 6%, Riverfront Drive - 9%*
- Proposed Maximum grade driveway: *11%*
- Proposed Maximum degree of curve: *4 Degree (1401 Radius)*
- Maximum degree allowable: *8 Degree 30 Minute (643-ft. Radius)*
- Right of way
 - Width: *No Additional Right of Way Required*
 - Easements: Temporary , Permanent , Utility , Other .
 - Type of access control: Full , Partial , By Permit , Other .
 - Number of parcels: *0* Number of displacements: *0*
 - Business: *0*
 - Residences: *0*
 - Mobile homes: *0*
 - Other: *0*
- Structures:
 - Bridges: *None*
 - Retaining walls: *None*
- Major intersections and interchanges: *None*
- Traffic control during construction: *Traffic will be maintained on the existing alignments during construction.*
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: *None Anticipated*
- Environmental concerns: *Minor stream impacts -The Savannah River Levee which is owned by the U.S. Corps of Engineers is within the project limits but no Right of Way should be acquired from this parcel and no adverse impacts are anticipated. (1) UST Investigation required*

- Anticipated Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes , No ,
 - Categorical Exclusion ,
 - Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - Environmental Impact Statement (EIS) .

- Utility involvements:
 - Telephone - *AT&T*
 - Power -- *Georgia Power Company*
 - Water -- *City of Augusta*
 - Sewer -- *City of Augusta*
 - Gas -- *Atlanta Gas Light Company*
 - Cable TV -- *ComCast Cable TV*

Project responsibilities:

- Design: *GDOT - District Two*
- Right of Way Acquisition: *GDOT - District Two*
- Relocation of Utilities: *GDOT - District Two*
- Letting to contract: *GDOT - Contracts Administration*
- Supervision of construction: *GDOT - Augusta AE Office*
- Providing material pits: *In Contract*
- Providing detours: *In Contract*

Coordination

- Concept meeting date: *9-5-08*
- P. A. R. meetings: *None*
- FEMA, USCG, and/or TVA: *None*
- Public involvement: *None*
- Local government commitments: *The City of Augusta will be asked to relocate their water and sewer facilities at their costs.*
- Other projects in the area: *None*

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: *1 Year*
- Time to complete preliminary construction plans: *1 Yr 3 Months*
- Time to complete right of way plans: *NA*
- Time to complete the Section 404 Permit: *1 Year*
- Time to complete final construction plans: *6 Months*
- Time to complete to purchase right of way: *NA*

Other alternates considered:

1. *No Build - This alternative was eliminated due to the fact that operational and safety issues exist at this location and to not correct the intersections problems would not make the intersection safer for the general public.*

Comments: *This office recommends that this concept be approved as written.*

Attachments:

1. Need & Purpose
2. Traffic Data
3. Cost Estimates:
 - a. Construction including E&C
 - b. Utilities
4. Typical Sections
5. Project Sketches
6. Location and Design Notice

NEED AND PURPOSE

CSSTP-0008-00(439) Richmond County

P.I. # 0008439

Operational Improvements on SR 28 @ CR 475 / Laney Walker Blvd and Riverfront Drive

Project History and Planning Background:

The Department of Transportation was asked to evaluate this intersection for signalization, safety and other operational improvements to determine if any or all of these were warranted by the local government of Richmond County. A transportation engineering study was then task ordered with Day Wilburn Associates who concluded that dual left turn lanes were warranted on SR 28 northbound, the improvement of the alignment of the left turn lane on Laney Walker Blvd., installation of a traffic signal, and the re-paving of the southbound channelized right turn lane on SR 28 was warranted.

Project Setting:

This project is located on the northeast side of Richmond County. The land use in the area is comprised of mostly industrial properties with scattered commercial developments. The area of Riverfront Drive is comprised of a residential neighborhood with dense woods that act as a buffer to SR 28 / Sand Bar Ferry Road. CR 475 / Laney Walker Blvd. intersects SR 28 / Sand Bar Ferry Road at an acute angle (approximately 50 Degrees) which makes sight distance from the north along SR 28 difficult. Through traffic is on SR 28 with Stop Signs located on CR 475 / Laney Walker Blvd. and Riverfront Drive.

SR 28 - Sand Bar Ferry Road is classified as a Urban Principle Arterial and is comprised of two 12-ft. travel lanes in each direction separated by a 44-ft. depressed median with rural shoulders each side. The horizontal and vertical alignments appear to be sufficient for a 45mph speed design. SR 28 serves as a main route for commuter traffic into and out of the downtown area of the City of Augusta to South Carolina.

CR 475 - Laney Walker Blvd. is classified as a Minor Arterial Street and is comprised of two - 12-ft. travel lanes in each direction with a 44-ft. depressed median and rural shoulders each side. The horizontal and vertical alignments appear sufficient for a 45mph speed design. CR 475 serves as a commuter route from the downtown area of the City of Augusta to SR 28 / Sand Bar Ferry Road.

Logical Termini:

This projects purpose is to correct operational deficiencies within this intersection and to alleviate accidents that currently occur here. No additional capacity will be added to SR 28 or CR 475 with this project. Therefore, the logical terminus for this project is based on the geometry of the roadways involved and only provides for the lengths necessary to accomplish the improvements. This project has independent utility since it does not restrict any other reasonably foreseeable improvements to either of these routes.

Traffic Analysis:

The following traffic volumes are from the transportation engineering study performed by Day Wilburn and Associates for the Department of Transportation in June of 2006. TC Station 116 is located on SR 28 approximately ½ mile north of the study intersection. TC Station 118 is located on SR 28 approximately 0.7 miles south of the study intersection and TC 427 in located on Laney Walker Blvd. approximately 0.4 mile west of SR 28.

TC	Location	Average ADT		
		2002	2003	2004
116	SR 28 (North of Laney Walker Blvd.)	9,848	11,317	10,197
118	SR 28 (South of Laney Walker Blvd.)	19,795	19,796	20,175
427	Laney Walker Blvd (West of SR 28)	17,802	18,997	15,676

Twenty-four hour approach tube counts were also collected in January 2006 at the intersection for the purpose of conducting the signal warrant analysis.

Daily Intersection Approach Volumes by Direction	
Approach Direction	Daily Approach Volumes
Southbound SR 28	4,616
Northbound SR 28	10,984
Eastbound Laney Walker Blvd	7,063
Westbound Laney Walker Blvd	184

Level of Service is defined as the operating conditions on the facility in terms of traffic performance measures related to the speed and travel time, freedom to maneuver, traffic interruptions, and comfort and convenience. The levels of service range from A (least congested) through F (most congested). A Capacity analysis has been performed for SR 28 / Sand Bar Ferry Road at CR 475 / Laney Walker Blvd. and Riverfront Drive for both the existing intersection as well as the proposed signalized intersection during peak hour traffic volumes. The charts below are taken from the transportation engineering study performed by Day Wilburn Associates in June of 2006 and are a summation of those findings.

Un-Signalized Intersection LOS for SR 28 at Laney Walker Blvd / Riverfront Drive						
Approach	Weekday AM Peak Hour		Weekday Midday Peak Hour		Weekday PM Peak Hour	
	LOS	Delay	LOS	Delay	LOS	Delay
Northbound Left	B	13.6	A	8.9	C	15.1
Southbound Left	A	7.7	A	7.8	B	10.2
Eastbound Right	E	46.6	B	10.9	C	18.7
Eastbound Left / Through	F	60.7	D	25	F	N/A*
Westbound	F	1901.6	B	14.4	F	1000.6

* Delay exceeds the limits of the Synchro software.

Signalized Intersection LOS for SR 28 at Laney Walker Blvd / Riverfront Drive						
Approach	Weekday AM Peak Hour		Weekday Midday Peak Hour		Weekday PM Peak Hour	
	LOS	Delay	LOS	Delay	LOS	Delay
Eastbound	B	16	A	3	A	8.9
Westbound	C	25.6	B	11.5	C	20.3
Northbound	A	6.4	A	6.1	A	5.2
Southbound	C	22.1	A	9.3	B	17.7
Overall Intersection	B	14.4	A	6.1	A	7.7

Crash Data was received from GDOT's Office of Traffic Safety and Design for the years 2003 and 2004 for the intersection of SR 28 at Laney Walker Blvd. / Riverfront Drive. In 2003, nineteen (19) collisions occurred in the vicinity of the intersection, including three (3) angle intersecting collisions considered correctable by signalization. The remaining accidents consisted of fourteen (14) rear-end collisions, (1) sideswipe, and (1) collision with a fixed object. A fatal injury resulted from an angle intersecting collision with an eastbound vehicle and a westbound left turn vehicle.

In 2004, sixteen (16) collisions occurred in the vicinity of the intersection, including four (4) angle collisions considered correctable by signalization. The remaining collisions consisted of 10 rear-end and two (2) collisions with a fixed object.

This project will improve this intersection by providing adequate left turn lane storage on SR 28 northbound and by providing safer left turn movement signalizing left turn movements.

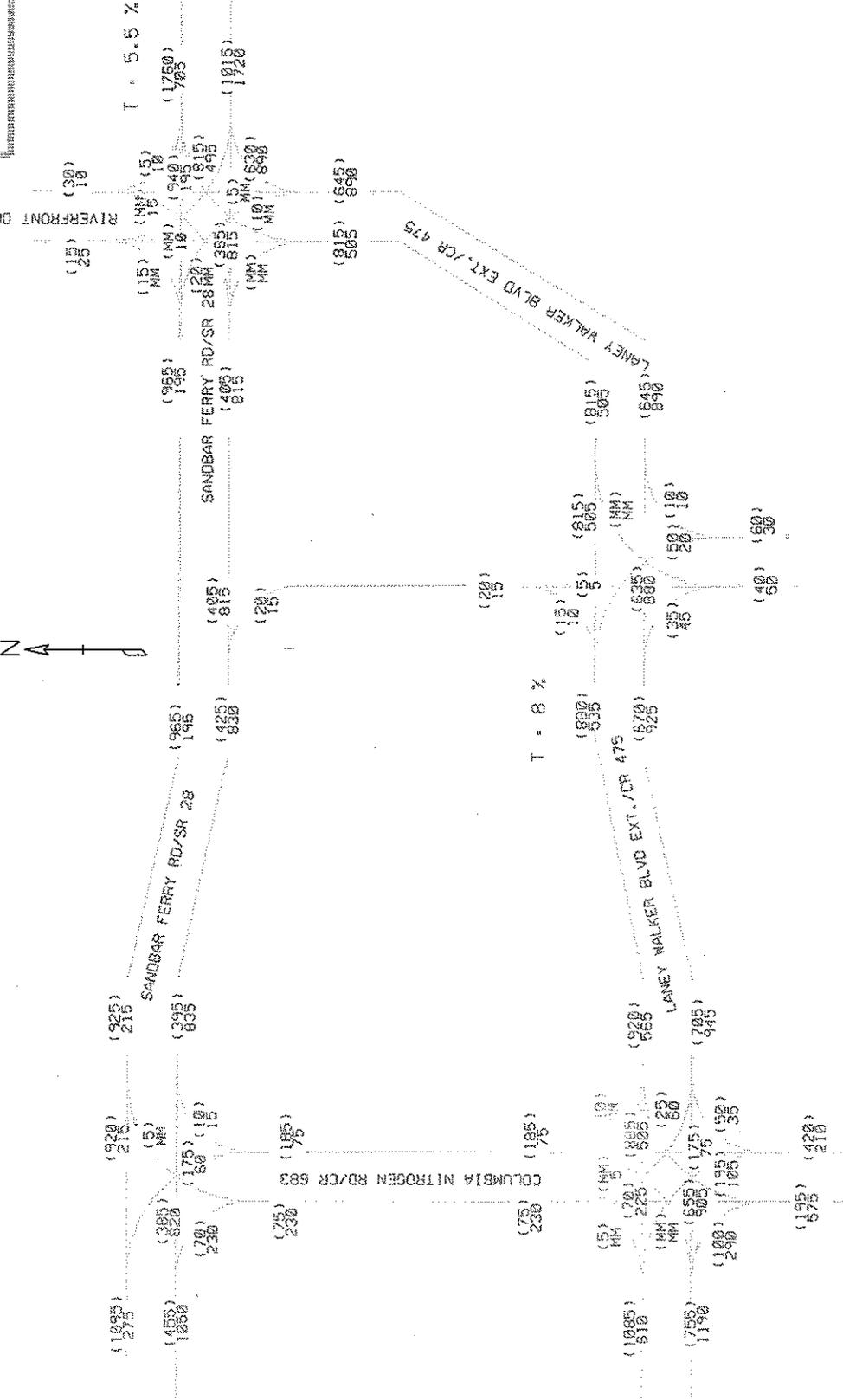
Transportation Planning Coordination:

This project is identified in the current GDOT transportation improvement plan. There are no other projects on SR 28 / Sand Bar Ferry Road or CR 475 / Laney Walker Blvd. located in the current GDOT transportation improvement plan nor the Augusta – Richmond County transportation improvement plan.

Summary:

The need exist to improve the operations of the existing intersection of SR 28 at CR 475 / Laney Walker Blvd. and improve the overall safety of this intersection. The traffic engineering study performed in 2006 indicates that the Level of Service on SR 28 is an F during the peak hour traffic times and that the storage length on the northbound left turn lanes of SR 28 are insufficient for the left turn movement. The purpose of this project is to correct these deficiencies and provide a safer intersection while improving the overall operational characteristics of both SR 28 and CR 475 / Laney Walker Blvd.

RICHMOND COUNTY



CSSIP-0008-001439
 PI # 0008439
 RICHMOND CO.
 SR 28 @ CR 475

2023 PM DNV - (000)
 2023 AM DNV - 000

NSN
 000000

**CSSTP-0008-00 (493) Richmond County
P.I. # 0008439**

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	50000.00	TRAFFIC CONTROL -	50000.00
205-0001	1500	CY	5.00	UNCLASS EXCAV	7500.00
206-0002	3000	CY	7.00	BORROW EXCAV, INCL MATL	21000.00
310-1101	880	TN	16.03	GR AGGR BASE CRS, INCL MATL	14106.40
318-3000	250	TN	17.95	AGGR SURF CRS	4487.50
402-1812	382	TN	65.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	24830.00
402-3111	200	TN	65.00	RECYCLED ASPH CONC 19 MM MIX, GP 1 OR 2, INCL BITUM MATL & H LIME	13000.00
402-3121	770	TN	65.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	50050.00
402-3131	912	TN	65.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	59280.00
413-1000	523	GL	2.00	BITUM TACK COAT	1046.00
432-5010	500	SY	1.90	MILL ASPH CONC PVMT, VARIABLE DEPTH	950.00
441-0756	240	SY	121.00	CONCRETE MEDIAN, 8 IN	29040.00
550-1180	120	LF	34.88	STORM DRAIN PIPE, 18 IN, H 1-10	4185.60
550-4218	4	EA	653.91	FLARED END SECTION 18 IN, STORM DRAIN	2615.64
668-2100	2	EA	2816.32	DROP INLET, GP 1	5632.64
Section Sub Total:					\$287,723.78

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	5	AC	835.78	PERMANENT GRASSING	4178.90
700-7000	4	TN	59.16	AGRICULTURAL LIME	236.64
700-7010	11	GL	18.64	LIQUID LIME	205.04
700-8000	4	TN	288.53	FERTILIZER MIXED GRADE	1154.12
700-8100	400	LB	1.68	FERTILIZER NITROGEN CONTENT	672.00
Section Sub Total:					\$6,446.70

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	524.79	TEMPORARY GRASSING	1049.58
163-0240	60	TN	203.71	MULCH	12222.60
163-0550	2	EA	261.57	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	523.14
165-0010	500	LF	1.06	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	530.00
165-0105	2	EA	95.74	MAINTENANCE OF INLET SEDIMENT TRAP	191.48
167-1000	2	EA	2123.00	WATER QUALITY MONITORING AND SAMPLING	4246.00
167-1500	6	MO	926.02	WATER QUALITY INSPECTIONS	5556.12
171-0010	1000	LF	1.93	TEMPORARY SILT FENCE, TYPE A	1930.00
Section Sub Total:					\$26,248.92

Section SIGNING / MARKING / SIGNALS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	27	SF	14.35	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	387.45

**CSSTP-0008-00(439) Richmond County
P.I. # 0008439**

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	50000.00	TRAFFIC CONTROL -	50000.00
205-0001	1500	CY	5.00	UNCLASS EXCAV	7500.00
206-0002	3000	CY	7.00	BORROW EXCAV, INCL MATL	21000.00
310-1101	880	TN	16.03	GR AGGR BASE CRS, INCL MATL	14106.40
318-3000	250	TN	17.95	AGGR SURF CRS	4487.50
402-1812	382	TN	65.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	24830.00
402-3111	200	TN	65.00	RECYCLED ASPH CONC 19 MM MIX, GP 1 OR 2, INCL BITUM MATL & H LIME	13000.00
402-3121	770	TN	65.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	50050.00
402-3131	912	TN	65.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	59280.00
413-1000	523	GL	2.00	BITUM TACK COAT	1046.00
432-5010	500	SY	1.90	MILL ASPH CONC PVMT, VARIABLE DEPTH	950.00
441-0756	240	SY	121.00	CONCRETE MEDIAN, 8 IN	29040.00
550-1180	120	LF	34.88	STORM DRAIN PIPE, 18 IN, H 1-10	4185.60
550-4218	4	EA	653.91	FLARED END SECTION 18 IN, STORM DRAIN	2615.64
668-2100	2	EA	2816.32	DROP INLET, GP 1	5632.64
Section Sub Total:					\$287,723.78

Section EROSION CONTROL

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700-7010	11	GL	18.64	LIQUID LIME	205.04
700-8000	4	TN	288.53	FERTILIZER MIXED GRADE	1154.12
700-8100	400	LB	1.68	FERTILIZER NITROGEN CONTENT	672.00
Section Sub Total:					\$6,446.70

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Item Number	Quantity	Units	Unit Price	Item Description	Cost
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163-0240	60	TN	203.71	MULCH	12222.60
163-0550	2	EA	261.57	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	523.14
165-0010	500	LF	1.06	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	530.00
165-0105	2	EA	95.74	MAINTENANCE OF INLET SEDIMENT TRAP	191.48
167-1000	2	EA	2123.00	WATER QUALITY MONITORING AND SAMPLING	4246.00
167-1500	6	MO	926.02	WATER QUALITY INSPECTIONS	5556.12
171-0010	1000	LF	1.93	TEMPORARY SILT FENCE, TYPE A	1930.00
Section Sub Total:					\$26,248.92

Section SIGNING / MARKING / SIGNALS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	27	SF	14.35	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	387.45

636-1033	9	SF	21.18	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	190.62
636-2070	56	LF	7.41	GALV STEEL POSTS, TP 7	414.96
639-4004	4	EA	5177.96	STRAIN POLE, TP IV	20711.84
647-1000	1	LS	64000.00	TRAFFIC SIGNAL INSTALLATION NO -	64000.00
652-0110	8	EA	38.96	PAVEMENT MARKING, ARROW, TP 1	311.68
652-0120	5	EA	39.71	PAVEMENT MARKING, ARROW, TP 2	198.55
652-5451	4400	LF	0.15	SOLID TRAFFIC STRIPE, 5 IN, WHITE	660.00
652-5452	2000	LF	0.16	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	320.00
652-5701	130	LF	2.67	SOLID TRAF STRIPE, 24 IN, WHITE	347.10
652-5801	8846	LF	1.02	SOLID TRAF STRIPE, 8 IN, WHITE	9022.92
652-6501	1700	GLF	0.18	SKIP TRAFFIC STRIPE, 5 IN, WHITE	306.00
652-9002	200	SY	1.83	TRAFFIC STRIPE, YELLOW	366.00
654-1001	20	EA	3.59	RAISED PVMT MARKERS TP 1	71.80
654-1003	35	EA	3.78	RAISED PVMT MARKERS TP 3	132.30
Section Sub Total:					\$97,441.22

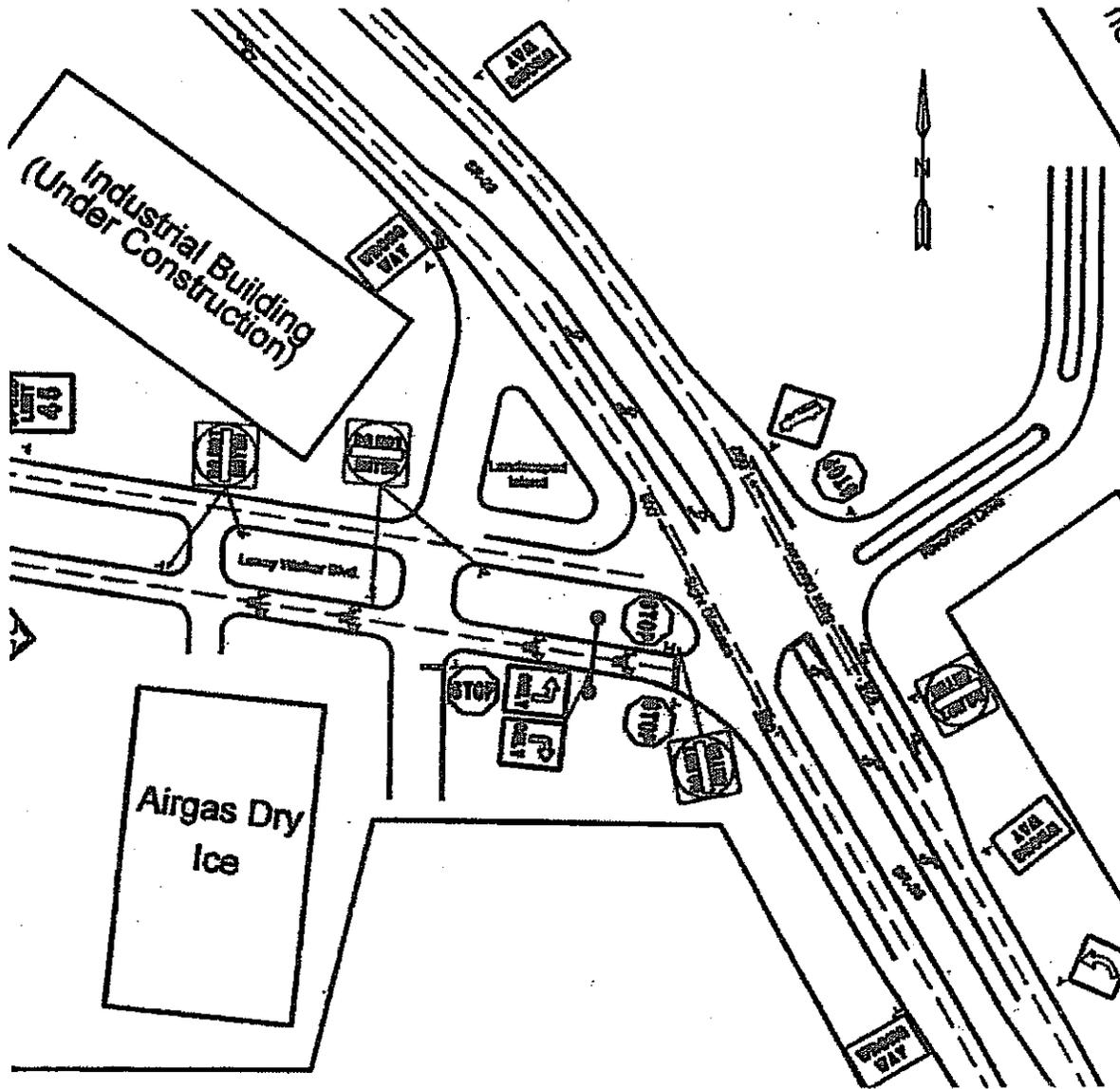
Total Estimated Cost: \$417,860.62

Subtotal Construction Cost	\$417,860.62
Engineering 5 %	\$20,893.03
Contingency 5%	\$21,937.00
	<hr/>
Total Construction Cost	\$460,690.65
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
	<hr/>
Grand Total Project Cost	\$460,690.65



Traffic Signal Warrant Analysis – TE Study Level 2
SR 28 at Laney Walker Blvd./Riverfront Drive
Richmond County

Appendix C
Existing Conditions Diagram – Figure 2



NOTICE OF LOCATION AND DESIGN APPROVAL

CSSTP-0008-00 (439) Richmond County
P.I. # 0008439

Notice is hereby given in compliance with Georgia Code 22-22-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The date of location and design approval was NOVEMBER 21, 2008
Date of Approval

This project consists of intersection improvements on SR 28 / Sand Bar Ferry Rd at Laney Walker Blvd. in the City of Augusta. Turn lanes will be added to facilitate the left turn movements from SR 28 onto Laney Walker Blvd. and vice versa. Traffic will be maintained on the existing roadways during construction. A stop and go traffic signal will be installed at this location.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation.

Mike Keene – Area Engineer
mkeene@dot.state.gov
4260 Frontage Road
Augusta, Georgia 30909

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

GEORGE M. BREWER
PRECONSTRUCTION ENGINEER
P.O. BOX 8
TENNILLE, GEORGIA 31089
478-552-4629

Any written request or communication in reference to this project **SHOULD** include the Project and PI numbers as noted at the top of this notice.